

comply, total space-conditioning system power demands must not exceed 0.8 W/cfm for constant volume systems, or 1.25 W/cfm for VAV systems. See §144(c).

If filter pressure drop is greater than 1 inch W. C. Enter filter air pressure drop. SP_a on line 4 and total pressure drop across the fan SP_f on Line 5, otherwise leave blank and go to Line 7. See §144(c)3.

- SP_a is the air pressure drop across the air treatment or filtering system.
- SP_f is the total pressure drop across the fan.
- FAN ADJUSTMENT is the adjusted fan power index = $1 - (SP_a - 1) / SP_f$.
- ADJUSTED FAN POWER INDEX is the total fan systems power index multiplied with the fan adjustment (Line 3 x Line 6). Note: TOTAL FAN SYSTEM POWER INDEX or ADJUSTED FAN POWER INDEX must not exceed 0.8 W/cfm, for Constant Volume systems or 1.25 W/cfm for VAV systems).

This bottom portion of the form is used to document the Electric Resistance Heating, Heat Rejection System and Air Cooled Chiller Limitations.

Electric Resistance Heat Limitation

In the capacity column, enter the total installed capacity of all electric heat exclusive of electric heat for heat pumps. If electric heat is used, identify in the exception column, which exceptions to §144(g) apply.

Enter notes to building department in the Notes column.

Centrifugal Fan Cooling Tower Limitation

In the capacity column, enter the total installed capacity of the centrifugal cooling towers. If centrifugal fan cooling towers are used, identify in the exception column which exceptions to §144(h) apply.

Enter notes to building department in the Notes column.

Air-cooled Chiller Limitation

In the capacity column, enter the total installed capacity of air-cooled chillers. In the second box, If the total installed capacity of the chiller plant is greater than 300 tons and the total installed capacity of air-cooled chillers is greater than 100 tons, identify in the exception column which exceptions to §144(i) apply.

Enter notes to building department in the Notes column.

4.11.8 Mechanical Inspection

The mechanical building inspection process for energy compliance is carried out along with the other building inspections performed by the building department. The inspector relies upon the plans and upon the MECH-1-C Certificate of Compliance form printed on the plans (See Section 4.11.1).